

PANEL: MADP					VOLTAGE: 208Y/120V					3 PHASE		POLES: 42				
MAIN BUS: 400A					MAIN BKR: 300A					4 WIRE		MIN. A.I.C.: 10KAIC				
MOUNTING: SURFACE EXTERIOR WALL - NEMA 4X					BKR TYPE: BOLT-ON					CABINET WIDTH: 28"						
GND	WIRE	CKT NO.	DESCRIPTION	TYPE	CKT BKR	KVA				CKT BKR	TYPE	DESCRIPTION	CKT NO.	WIRE	GND	
						A		B								C
#6	#1/0	1	PANEL D SECTION 1		3P125A	10.2	14.4				3P150A	-	PANEL D SECTION 2	2	#1/0	#6
#6	#1/0	3	-		-			10.2	14.4		-	-	-	4	#1/0	#6
#6	#1/0	5	-		-					10.2	14.4	-	-	6	#1/0	#6
#8	#2	7	PANEL BRDP		3P100A	2.0	1.0				1P20A	SPARE	8	-	-	
#8	#2	9	-					2.0	1.0		1P20A	SPARE	10	-	-	
#8	#2	11	-							2.0	1.0	1P20A	SPARE	12	-	-
		13	PFB									PFB	14			
		15	PFB									PFB	16			
		17	PFB									PFB	18			
		19	PFB									PFB	20			
		21	PFB									PFB	22			
		23	PFB									PFB	24			
		25	PFB									PFB	26			
		27	PFB									PFB	28			
		29	PFB									PFB	30			
		31	PFB									PFB	32			
		33	PFB									PFB	34			
		35	PFB									PFB	36			
		37	PFB									PFB	38			
		39	PFB									PFB	40			
		41	PFB									PFB	42			
TOTAL PHASE A, B, C						27.6	27.6	27.6								
CONNECTED KVA:						82.8	KVA									
DEMAND FACTOR:						100	%									
DEMAND KVA:						82.8	KVA									
DEMAND AMPS:						230	AMPS									
DEMAND KVA						A	B	C								
						27.6	27.6	27.6								


PANEL: BRDP				VOLTAGE: 208Y/120V				3 PHASE				POLES: 18			
MAIN BUS: 100A				MAIN BKR: 100A				4 WIRE				MIN. A.I.C.: 10KAIC			
MOUNTING: SURFACE EXTERIOR WALL - NEMA 3R				BKR TYPE: BOLT-ON								CABINET WIDTH: 20"			
GND	WIRE	CKT NO.	DESCRIPTION	TYPE	CKT BKR	KVA				CKT BKR	TYPE	DESCRIPTION	CKT NO.	WIRE	GND
-	-	1	SPARE		1P20A	1.0	1.0			1P20A		SPARE	2	-	-
-	-	3	SPARE		1P20A			1.0	1.0	1P20A		SPARE	4	-	-
-	-	5	SPARE		1P20A					1P20A		SPARE	6	-	-
		7	PFB									PFB	8		
		9	PFB									PFB	10		
		11	PFB									PFB	12		
		13	PFB									PFB	14		
		15	PFB									PFB	16		
		17	PFB									PFB	18		
TOTAL PHASE A, B, C						2.0	2.0	2.0		NOTES:					
CONNECTED KVA:						6.0	KVA	PANEL PROVIDED TO ALLOT FOR EXTRA CIRCUIT CAPACITY							
DEMAND FACTOR:						100	%	TO ALLEVIATE NUISANCE TRIPPING ON EXISTING BRANCH							
DEMAND KVA:						6.0	KVA	CIRCUITS. CIRCUITS TO BE TRANSFERRED BY THE STATE IN							
DEMAND AMPS:						17	AMPS	THE FUTURE.							
DEMAND KVA						A	B	C							
						2.0	2.0	2.0							

[illegible]

SHEET No. *E701* OF *14* SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-03-21, PHASE 2	2022	46	46

PANEL: TS					VOLTAGE: 208Y/120V					3 PHASE			POLES: 18				
MAIN BUS: 100A					MAIN BKR: 3P 70A					4 WIRE			MIN. A.I.C.: 10KAIC				
MOUNTING: SURFACE EXTERIOR WALL - NEMA 3R					BKR TYPE: BOLT-ON								CABINET WIDTH: 20"				
G	W	CKT NO.	DESCRIPTION	TY	CKT BKR	KVA				CKT BKR	TY	DESCRIPTION	CKT NO.	W	G		
						A	B		C								
#10	#10	1	(E) LIFT		3P30A	1.0	0.2				1P20A	(E) GFI ABOVE	2	#12	#12		
#10	#10	3	-		-			1.0	1.9		2P20A	(E) BATTERY CHARGE	4	#12	#12		
#10	#10	5	-		-					1.0	1.9	-	6	#12	#12		
#12	#12	7	(E) LIGHTS		1P20A	1.0	1.0				1P20A	(E) TRAFFIC SIGNS OUTLETS	8	#12	#12		
#12	#12	9	(E) TRAFFIC SIGNAL OUTLETS		1P20A			1.0	1.0		1P20A	(E) TRAFFIC SIGNS OUTLETS	10	#12	#12		
#12	#12	11	(E) BRIDGE BAY OUTLETS		1P20A					1.0	1.0	1P20A	(E) SIGN BOARDS OUTLETS	12	#12	#12	
		13	PFB				1.0					1P20A	(E) SIGN BOARDS OUTLETS	14	#12	#12	
		15	PFB									PFB	16				
		17	PFB									PFB	18				
TOTAL PHASE A, B, C						4.2	4.9	4.9		NOTES:							
CONNECTED KVA:						14.0	KVA			PROVID							
DEMAND FACTOR:						100	%			CIRCUIT							
DEMAND KVA:						14.0	KVA										
DEMAND AMPS:						39	AMPS										
DEMAND KVA						A	B	C									
						4.2	4.9	4.9									

	<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><u>PANEL SCHEDULES</u></p> <p><u>MAUI DISTRICT BASEYARD OFFICE EXPANSION</u> $\frac{1}{4}$ <u>RENOVATION, PART 2</u> <u>Project No. HWY-M-03-21, Phase 2</u> <u>Scale: NONE</u> <u>Date: JULY 2022</u></p>
<p>4/30/24</p> <p>EXP. DATE</p> <p><i>Margaret A. Masuda</i></p> <p><small>This work was prepared by me or under my supervision.</small></p>	<p>SHEET No. <u>E702</u> OF <u>14</u> SHEETS</p>